

AUTHOR INDEX TO VOLUME 154

- Achkar, Y., see B. Bussery 154 (1989) 280
Adachi, Y., see S. Matsunuma 154 (1989) 555
Ahlrichs, R., M. Häser, H. Schnöckel and M. Tacke, Aluminum η^2 -olefin bonds in dimeric 1,4-dichloro-1,4-dialumina-2,5-cyclohexadiene 154 (1989) 104
Akamatsu, N., see S. Matsunuma 154 (1989) 555
Albert, I.D.L., see S. Ramasesha 154 (1989) 501
Almlöf, J., see S. Sæbø 154 (1989) 83
Amrhein, E.M., see J.A. Centeno 154 (1989) 97
Angeloni, L. and R. Righini, Anomalous temperature dependence of the vibrational exciton lifetime in NaNO_3 crystal 154 (1989) 115
Angeloni, L., R. Righini, P.R. Salvi and V. Schettino, Relaxation dynamics of Fermi doublets in CS_2 154 (1989) 432
Apkarian, V.A., see N. Schwentner 154 (1989) 237
Apkarian, V.A., see N. Schwentner 154 (1989) 413
Atakan, B., A. Jacobs, M. Wahl, R. Weller and J. Wolfrum, Kinetic studies of the gas-phase reactions of CN with O_2 and H_2 from 294 to 1000 K 154 (1989) 449
Aubert-Frècon, M., see B. Bussery 154 (1989) 280

Baba, H., see N. Ikeda 154 (1989) 207
Back, M.H., see L. Giroux 154 (1989) 610
Back, R.A., see L. Giroux 154 (1989) 610
Baggett, J.E., M.A. Blitz and P.D. Lightfoot, The reaction of gas-phase dimethylsilylene with dimethyl ether 154 (1989) 330
Balasubramanian, K. and J.Z. Wang, Spectroscopic properties and potential energy curves of thirty-six electronic states of ZrH 154 (1989) 525
Ballhausen, C.J., A note on the $V=A/x^2+Bx^2$ potential, Chem. Phys. Letters 146 (1988) 449. Erratum 154 (1989) 174
Barbara, P.F., see S.R. Flom 154 (1989) 193
Baronavski, A.P., see L. Pasternack 154 (1989) 121
Barrientos, A., see J.A. Centeno 154 (1989) 97
Barron, L.D., L. Hecht and P.L. Polavarapu, Polarized Raman optical activity in methyl antisymmetric deformations: influence of heteroatom Rydberg orbitals 154 (1989) 251
Barth, S., see C. Jäger 154 (1989) 45
Bayes, K.D., see K.H. Becker 154 (1989) 342
Beach, D.B., see S.M. Gates 154 (1989) 505
Beaman, R., see R. Sobczynski 154 (1989) 349
Becker, K.H., B. Engelhardt, P. Wiesen and K.D. Bayes, Rate constants for $\text{CH}(\text{X}^2\Pi)$ reactions at low total pressures 154 (1989) 342
Bhaskar, N.D., R.P. Frueholz, C.M. Klimcak and R.A. Cook, Production of mass-selected neutral clusters of rubidium 154 (1989) 175
Bin Hussein, M.Z., see J.M. Hollas 154 (1989) 14

AUTHOR INDEX TO VOLUME 154

- Achkar, Y., see B. Bussery 154 (1989) 280
Adachi, Y., see S. Matsunuma 154 (1989) 555
Ahlrichs, R., M. Häser, H. Schnöckel and M. Tacke, Aluminum η^2 -olefin bonds in dimeric 1,4-dichloro-1,4-dialumina-2,5-cyclohexadiene 154 (1989) 104
Akamatsu, N., see S. Matsunuma 154 (1989) 555
Albert, I.D.L., see S. Ramasesha 154 (1989) 501
Almlöf, J., see S. Sæbø 154 (1989) 83
Amrhein, E.M., see J.A. Centeno 154 (1989) 97
Angeloni, L. and R. Righini, Anomalous temperature dependence of the vibrational exciton lifetime in NaNO_3 crystal 154 (1989) 115
Angeloni, L., R. Righini, P.R. Salvi and V. Schettino, Relaxation dynamics of Fermi doublets in CS_2 154 (1989) 432
Apkarian, V.A., see N. Schwentner 154 (1989) 237
Apkarian, V.A., see N. Schwentner 154 (1989) 413
Atakan, B., A. Jacobs, M. Wahl, R. Weller and J. Wolfrum, Kinetic studies of the gas-phase reactions of CN with O_2 and H_2 from 294 to 1000 K 154 (1989) 449
Aubert-Frécon, M., see B. Bussery 154 (1989) 280

Baba, H., see N. Ikeda 154 (1989) 207
Back, M.H., see L. Giroux 154 (1989) 610
Back, R.A., see L. Giroux 154 (1989) 610
Baggett, J.E., M.A. Blitz and P.D. Lightfoot, The reaction of gas-phase dimethylsilylene with dimethyl ether 154 (1989) 330
Balasubramanian, K. and J.Z. Wang, Spectroscopic properties and potential energy curves of thirty-six electronic states of ZrH 154 (1989) 525
Ballhausen, C.J., A note on the $V=A/x^2+Bx^2$ potential, Chem. Phys. Letters 146 (1988) 449. Erratum 154 (1989) 174
Barbara, P.F., see S.R. Flom 154 (1989) 193
Baronavski, A.P., see L. Pasternack 154 (1989) 121
Barrientos, A., see J.A. Centeno 154 (1989) 97
Barron, L.D., L. Hecht and P.L. Polavarapu, Polarized Raman optical activity in methyl antisymmetric deformations: influence of heteroatom Rydberg orbitals 154 (1989) 251
Barth, S., see C. Jäger 154 (1989) 45
Bayes, K.D., see K.H. Becker 154 (1989) 342
Beach, D.B., see S.M. Gates 154 (1989) 505
Beaman, R., see R. Sobczynski 154 (1989) 349
Becker, K.H., B. Engelhardt, P. Wiesen and K.D. Bayes, Rate constants for $\text{CH}(\text{X}^2\Pi)$ reactions at low total pressures 154 (1989) 342
Bhaskar, N.D., R.P. Frueholz, C.M. Klimcak and R.A. Cook, Production of mass-selected neutral clusters of rubidium 154 (1989) 175
Bin Hussein, M.Z., see J.M. Hollas 154 (1989) 14

- Bin Hussein, M.Z., see J.M. Hollas 154 (1989) 228
- Blair, J.T., J.D. Westbrook, R.M. Levy and K. Krogh-Jespersen, Simple models for solvation effects on electronic transition energies: formaldehyde and water 154 (1989) 531
- Blasse, G., G.J. Dirksen, A. Meijerink, J.F. van der Pol, E. Neeleman and W. Drenth, Luminescence and energy migration in the solid state and in the ordered columnar mesophase of peripherally octa-*n*-dodecoxy-substituted phthalocyanine 154 (1989) 420
- Blitz, M.A., see J.E. Baggott 154 (1989) 330
- Bloor, J.E., see D.W. Noid 154 (1989) 391
- Boden, N., R.J. Bushby, J. Clements, M.V. Jesudason, P.F. Knowles and G. Williams, One-dimensional electronic conductivity in discotic liquid crystals, *Chem. Phys. Letters* 152 (1988) 94. Erratum 154 (1989) 613
- Boursey, E., see C. Maños 154 (1989) 563
- Brédas, J.L. and A.J. Heeger, The role of solitons in the first B_u excited state of polyene chains: from short polyenes to polyacetylene 154 (1989) 56
- Bühlmann, C., A. Schweiger and R.R. Ernst, Hyperfine-selective ENDOR 154 (1989) 285
- Bushby, R.J., see N. Boden 154 (1989) 613
- Bussery, B., Y. Achkar and M. Aubert-Frécon, Coulomb interaction energy including overlap effects for the ground states of LiNa and Na_2 154 (1989) 280
- Calabrese, J.C., see W. Tam 154 (1989) 93
- Carnell, M. and S.D. Peyerimhoff, The $a^2\Delta$ versus $2^3\Pi$ state of the cesium hydride molecule 154 (1989) 484
- Castex, M.C., see C. Maños 154 (1989) 563
- Centeno, J.A., E.M. Amrhein and A. Barrientos, Use of first-order Raman scattering to characterize $YBa_2Cu_3O_{7-\delta}$ superconductors: effects of surface changes 154 (1989) 97
- Chattaraj, P.K., A pseudo-scattering technique for bound state calculations within density functional theory 154 (1989) 541
- Chaudhuri, R., see D. Sinha 154 (1989) 544
- Chuang, T.J., see A. Mödl 154 (1989) 187
- Clark, D.L., J.C. Green, C.M. Redfern, G.E. Quelch, I.H. Hillier and M.F. Guest, An experimental and theoretical study of the ionization energies of $Ru_2(O_2CCF_3)_4$ and $Ru_2(O_2CCF_3)_4(NO)_2$ 154 (1989) 326
- Clary, D.C. and C.E. Dateo, Competition between vibrational and rotational excitation in glyoxal 154 (1989) 62
- Clements, J., see N. Boden 154 (1989) 613
- Clouthier, D.J., see J.R. Dunlop 154 (1989) 613
- Collart, P., see N. Ikeda 154 (1989) 207
- Cook, R.A., see N.D. Bhaskar 154 (1989) 175
- Cuccaro, S.A., P.G. Hipes and A. Kuppermann, Hyper-spherical coordinate reactive scattering using variational surface functions 154 (1989) 155
- Dagdigian, P.J., see J.P. Doering 154 (1989) 234
- Dateo, C.E., see D.C. Clary 154 (1989) 62
- De Merás, A.M.S., see J. Olsen 154 (1989) 380
- De Schryver, F.C., see N. Ikeda 154 (1989) 207
- Dikanov, S.A., R.G. Evelo, A.J. Hoff and A.M. Tyryshkin, Orientation-dependent ESEEM spectroscopy in disordered systems. Applications to bis(acetylacetonato)oxovanadium(IV) adducts in frozen solution and comparison with ENDOR data 154 (1989) 34

- Di Napoli, V., A. Mele, D. Stranges, A. Giardini-Guidoni and R. Teghil, IR laser photolysis of mixtures of silane with nitric oxide and acetylene 154 (1989) 217
- Dirksen, G.J., see G. Blasse 154 (1989) 420
- Doering, J.P. and P.J. Dagdigan, Experimental electron scattering spectrum of atomic carbon 154 (1989) 234
- Domen, K., see A. Mödl 154 (1989) 187
- Drenth, W., see G. Blasse 154 (1989) 420
- Dunlop, J.R., J. Karolczak and D.J. Clouthier, Pyrolysis jet spectroscopy, Chem. Phys. Letters 151 (1988) 362. Erratum 154 (1989) 613
- Dunning, F.B., see C.W. Walter 154 (1989) 409
- Durant Jr., J.L. and F.P. Tully, Kinetic study of the reaction between CN and O₂ from 295 to 710 K 154 (1989) 568
- Eller, K., D. Sülzle and H. Schwarz, On the generation and identification of stable HCN/Cu(0) and HNC/Cu(0) complexes in the gas phase using neutralization/reionization mass spectrometry (NRMS) 154 (1989) 443
- Engelhardt, B., see K.H. Becker 154 (1989) 342
- Ernst, R.R., see C. Bühlmann 154 (1989) 285
- Evelo, R.G., see S.A. Dikanov 154 (1989) 34
- Fajardo, M.E., see N. Schwentner 154 (1989) 237
- Feltz, A., see C. Jäger 154 (1989) 45
- Fernández, A., Sequence dependence for the melting of globular states in heteropolymers 154 (1989) 396
- Fijan, D., D. Veža and G. Pichler, Photochemical production of the electronically excited NaCd excimer 154 (1989) 126
- Flom, S.R., G.C. Walker, L.E. Lynch, L.L. Miller and P.F. Barbara, Degenerate four-wave mixing experiments on polyacene quinones 154 (1989) 193
- Fraissard, J., see M.A. Springuel-Huet 154 (1989) 299
- Freedman, T.B., see L.A. Nafie 154 (1989) 260
- Fromherz, P., Dissipative spinodal condensation of membrane proteins 154 (1989) 146
- Frueholz, R.P., see N.D. Bhaskar 154 (1989) 175
- Fushiki, M., An anisotropic hypernetted chain approximation for the spherical cell model 154 (1989) 77
- Futami, H., see M. Koyanagi 154 (1989) 577
- Gates, S.M., C.M. Greenlief, D.B. Beach and R.R. Kunz, Reactive sticking coefficient of silane on the Si(111)-(7×7) surface 154 (1989) 505
- Gershenson, Yu.M., see M.A. Ioffe 154 (1989) 131
- Giardini-Guidoni, A., see V. Di Napoli 154 (1989) 217
- Giroux, L., M.H. Back and R.A. Back, A comment on the rotational isomerization of ethylene 154 (1989) 610
- Glasbeek, M., see E. van Oort 154 (1989) 587
- Goddard, J.D., A computational study of the HCCO and HCCS radicals 154 (1989) 387
- Goldman, S., A radially accurate perturbation theory for molecular liquids: the structure of nitrogen 154 (1989) 536
- Grätzel, M., see G. Rothenberger 154 (1989) 165
- Gray, C.G., see C.G. Joslin 154 (1989) 369
- Green, J.C., see D.L. Clark 154 (1989) 326

- Greenlief, C.M., see S.M. Gates 154 (1989) 505
Groenen, E.J.J., see M. Ros 154 (1989) 29
Güdel, H.U., see C. Reber 154 (1989) 425
Guerin, B., see W. Tam 154 (1989) 93
Guest, M.F., see D.L. Clark 154 (1989) 326
Guldberg, A., Some properties of symmetrized transition density matrices based on configuration interaction wavefunctions 154 (1989) 487

Halstead, D., see S. Holloway 154 (1989) 181
Harris, K.D.M. and P. Jonsen, ^2H NMR investigation of the dynamic behaviour of *n*-hexadecane in its urea inclusion compound 154 (1989) 593
Häser, M., see R. Ahlrichs 154 (1989) 104
Hashimoto, H. and Y. Koyama, The C–C stretching Raman lines of β -carotene isomers in the S_1 state as detected by pump–probe resonance Raman spectroscopy 154 (1989) 321
Hawlicka, E., G. Pálkás and K. Heinzinger, A molecular dynamics study of liquid methanol with a flexible six-site model 154 (1989) 255
Hayaishi, T., see K. Ueda 154 (1989) 357
Hayaishi, T., see S. Nagaoka 154 (1989) 363
Hecht, L., see L.D. Barron 154 (1989) 251
Heeger, A.J., see J.L. Brédas 154 (1989) 56
Heinzinger, K., see E. Hawlicka 154 (1989) 255
Henglein, A., Non-metallic silver clusters in aqueous solution: stabilization and chemical reactions 154 (1989) 473
Hidaka, Y., T. Nakamura and H. Kawano, High temperature pyrolysis of CF_3Br in shock waves 154 (1989) 573
Higuchi, J., see Y. Shioya 154 (1989) 25
Hillier, I.H., see D.L. Clark 154 (1989) 326
Hipes, P.G., see S.A. Cucaro 154 (1989) 155
Hiraoka, K. and S. Yamabe, Stabilities of the N_3^+ (N_2) $_n$ cluster ions with $n=1-11$ 154 (1989) 139
Hirose, C., see S. Matsunuma 154 (1989) 555
Hochstrasser, R.M., see H.P. Trommsdorff 154 (1989) 463
Hoff, A.J., see S.A. Dikanov 154 (1989) 34
Hollas, J.M. and M.Z. bin Hussein, The $\text{C}(1)-\text{C}(\alpha)$ torsional potential function of 2-fluorostyrene from S_1-S_0 fluorescence in a supersonic jet 154 (1989) 14
Hollas, J.M. and M.Z. bin Hussein, The $\text{C}(1)-\text{C}(\alpha)$ torsional potential function of cis- and trans-3-fluorostyrene by supersonic jet spectroscopy 154 (1989) 228
Holloway, S. and D. Halstead, The scattering of oriented NO from Ag(111) surfaces 154 (1989) 181
Houriet, R. and T. Vulpus, Formation of metal cluster ions by gas-phase ion–molecule reactions: the bond energies of Cr_2^+ and Mn_2^+ 154 (1989) 454
Huang, R., see Z. Ma 154 (1989) 9
Hummel, A., see M. Tachiya 154 (1989) 497

Ikeda, N., H. Baba, H. Masuhara, P. Collart, F.C. De Schryver and N. Mataga, Intramolecular excimer formation of the diastereoisomers of bis[1-(2-pyrenyl)ethyl] ether as revealed by picosecond time-resolved absorption spectroscopy 154 (1989) 207
Ikuta, S. and O. Nomura, An ab initio study on the intramolecular hydrogen bond of protonated ethylene glycol and ethylenediamine 154 (1989) 71

- Inoue, T., see A. Tachibana 154 (1989) 403
- Ioffe, M.A., Yu.M. Gershenzon, V.B. Rozenshtein and S.Ya. Umanskii, Non-Arrhenius behavior of the $F+H_2$ reaction rate at 293–700 K 154 (1989) 131
- Ishikawa, S., see A. Tachibana 154 (1989) 403
- Jacobs, A., see B. Atakan 154 (1989) 449
- Jäger, C., S. Barth and A. Feltz, ^{23}Na NMR study of the NASICON system $Na_{1+x}Zr_2(PO_4)_{3-x}(SiO_4)_x$ 154 (1989) 45
- Jamieson, M.J., Coupled Hartree-Fock calculation of the Cotton-Mouton constant and hyperpolarizability of helium 154 (1989) 521
- Jensen, H.J.Aa., see J. Olsen 154 (1989) 380
- Jesudason, M.V., see N. Boden 154 (1989) 613
- Jones, H., see R.-D. Urban 154 (1989) 135
- Jonsen, P., see K.D.M. Harris 154 (1989) 593
- Jørgensen, P., see J. Olsen 154 (1989) 380
- Joslin, C.G. and C.G. Gray, Far-infrared absorption in liquid carbon tetrachloride: a theoretical study of the lineshape and intensity 154 (1989) 369
- Kamisuki, T., see S. Matsunuma 154 (1989) 555
- Kanno, H., see S. Yamauchi 154 (1989) 248
- Karolczak, J., see J.R. Dunlop 154 (1989) 613
- Kasuya, T., see T. Munakata 154 (1989) 604
- Kawano, H., see Y. Hidaka 154 (1989) 573
- Kaziska, A.J., see S.A. Wittmeyer 154 (1989) 1
- Kaziska, A.J., S.A. Wittmeyer, A.L. Motyka and M.R. Topp, Mode- and complexation-specific singlet-triplet coupling in jet-cooled perylene studied by time-resolved fluorescence spectroscopy 154 (1989) 199
- Kern, J., H. Schwahn and B. Schramm, Nuclear spin state relaxation in formaldehyde 154 (1989) 292
- Kirstein, S., H. Möhwald and M. Shimomura, Crystalline two-dimensional domains of cyanine dyes at interfaces 154 (1989) 303
- Klimcak, C.M., see N.D. Bhaskar 154 (1989) 175
- Knowles, P.F., see N. Boden 154 (1989) 613
- Koszykowski, M.L., see D.W. Noid 154 (1989) 391
- Koyama, Y., see H. Hashimoto 154 (1989) 321
- Koyanagi, M., H. Futami, M. Mukai and S. Yamauchi, Direct evidence of photochemical α -cleavage of benzoin in fluid solutions 154 (1989) 577
- Koyano, I., see K. Ueda 154 (1989) 357
- Koyano, I., see S. Nagaoka 154 (1989) 363
- Krogh-Jespersen, K., see J.T. Blair 154 (1989) 531
- Kunz, R.R., see S.M. Gates 154 (1989) 505
- Kupka, H., see T. Ledwig 154 (1989) 309
- Kuppermann, A., see S.A. Cucaro 154 (1989) 155
- Kushawaha, V. and A. Michael, Collisional studies involving low energy helium ions and mercury bromide 154 (1989) 599
- Le Duff, Y., see C. Maños 154 (1989) 563
- Ledwig, T., H. Kupka and H.-H. Perkampus, On the mechanism of triplet-singlet relaxation in phenanthrene 154 (1989) 309

- Legon, A.C. and C.A. Rego, H, ^{19}F nuclear-spin-nuclear-spin coupling in the rotational spectrum of $(\text{CH}_3)_3^{15}\text{N}\cdots\text{HF}$ and the lengthening of the HF bond 154 (1989) 468
- Levy, R.M., see J.T. Blair 154 (1989) 531
- Li, Z. and H.A. Scheraga, Computation of the free energy of liquid water by the Monte Carlo recursion method 154 (1989) 516
- Lightfoot, P.D., see J.E. Baggott 154 (1989) 330
- Lindsay, B.G., see C.W. Walter 154 (1989) 409
- Ludwig, P.K., see J. Notholt 154 (1989) 101
- Lynch, L.E., see S.R. Flom 154 (1989) 193
- Lynden-Bell, R.M., see P.-O. Westlund 154 (1989) 67
- Ma, Z., R. Huang and C. Zhang, Multi-quantum transfer vibrational relaxation in supersonic jets of $\text{I}_2(\text{B}, v' = 43)$ seeded in Ar, N_2 and CO 154 (1989) 9
- Madonia, F., see P.L. San Biagio 154 (1989) 477
- Magg, U., see R.-D. Urban 154 (1989) 135
- Mañinos, C., Y. Le Duff, M.C. Castex and E. Boursey, Pressure effects in multiple resonant multiphoton transitions 154 (1989) 563
- Majenz, W., see W. Rettig 154 (1989) 335
- Maki, A.H., see B.D. Schlyer 154 (1989) 39
- Marks, A.J., J.N. Murrell and A.J. Stace, The influence of molecular rotation on a gas-phase unimolecular isomerisation reaction 154 (1989) 492
- Masuhara, H., see N. Ikeda 154 (1989) 207
- Mataga, N., see N. Ikeda 154 (1989) 207
- Matsunuma, S., N. Akamatsu, T. Kamisuki, Y. Adachi and C. Hirose, Resonance CARS spectrum of *p*-aminophenylthiyl radical and Raman spectrum of bis-(*p*-aminophenyl) disulfide 154 (1989) 555
- Mauersberger, K., see J. Morton 154 (1989) 143
- McCammon, J.A., see C.F. Wong 154 (1989) 151
- McLauchlan, K.A. and N.J.K. Simpson, The transfer of electron spin polarization (CI-DEP) to secondary radicals 154 (1989) 550
- Meech, S.R. and K. Yoshihara, Picosecond dynamics of adsorbates by time-resolved surface second-harmonic generation 154 (1989) 20
- Meijerink, A., see G. Blasse 154 (1989) 420
- Mele, A., see V. Di Napoli 154 (1989) 217
- Michael, A., see V. Kushawaha 154 (1989) 599
- Miller, L.L., see S.R. Flom 154 (1989) 193
- Mitchell, J.B.O. and S.L. Price, On the electrostatic directionality of $\text{N}-\text{H}\cdots\text{O}=\text{C}$ hydrogen bonding 154 (1989) 267
- Mödl, A., K. Domen and T.J. Chuang, Laser-induced CH_2 and C_2H_4 formation and desorption from CH_2I_2 adsorbed on Al surfaces 154 (1989) 187
- Mohsin, S.B., M. Trenary and H.J. Robota, Kinetics of ethylidyne formation on Pt(111) from time-dependent infrared spectroscopy 154 (1989) 511
- Möhlwald, H., see S. Kirstein 154 (1989) 303
- Morton, J., B. Schueler and K. Mauersberger, Oxygen fractionation of ozone isotopes $^{48}\text{O}_3$ through $^{54}\text{O}_3$ 154 (1989) 143
- Motyka, A.L., see S.A. Wittmeyer 154 (1989) 1
- Motyka, A.L., see A.J. Kaziska 154 (1989) 199

- Mukai, M., see M. Koyanagi 154 (1989) 577
Mukherjee, D., see D. Sinha 154 (1989) 544
Mukhopadhyay, S.K., see D. Sinha 154 (1989) 544
Munakata, T. and T. Kasuya, Ion pair production from CH_3Cl and CH_3Br with 118 nm laser light 154 (1989) 604
Murrell, J.N., see A.J. Marks 154 (1989) 492
Mutai, K., see R. Nakagaki 154 (1989) 581
- Nafie, L.A. and T.B. Freedman, Dual circular polarization Raman optical activity 154 (1989) 260
Nagakura, S., see R. Nakagaki 154 (1989) 581
Nagaoka, S., see K. Ueda 154 (1989) 357
Nagaoka, S., I. Koyano, K. Ueda, E. Shigemasa, Y. Sato, A. Yagishita, T. Nagata and T. Hayaishi, Site-specific fragmentation following inner-core level excitation of $\text{Pb}(\text{CH}_3)_4$ in the vapor phase 154 (1989) 363
Nagata, T., see K. Ueda 154 (1989) 357
Nagata, T., see S. Nagaoka 154 (1989) 363
Nakagaki, R., K. Mutai and S. Nagakura, Photochemistry of chain molecules containing 4-nitro-1-naphthoxyl and anilino chromophores. Switching of reaction pathways due to methylene chain length and magnetic field effects 154 (1989) 581
Nakamura, T., see Y. Hidaka 154 (1989) 573
Neeleman, E., see G. Blasse 154 (1989) 420
Newman, J., see P.L. San Biagio 154 (1989) 477
Niles, S. and C.A. Wight, Photofragment spectroscopy of nitrosobenzene 154 (1989) 458
Noid, D.W., J.E. Bloor, M. Spotswood and M.L. Koszykowski, Calculation of ab initio frequencies from short time classical trajectories 154 (1989) 391
Nomura, O., see S. Ikuta 154 (1989) 71
Noréus, D. and J. Tomkinson, Inelastic neutron scattering studies of a novel linear PdH_2 complex in Na_2PdH_2 154 (1989) 439
Notholt, J. and P.K. Ludwig, On the assignment of the central line ($\approx 1025 \text{ cm}^{-1}$) in the SERS spectrum of aqueous pyridine solutions 154 (1989) 101
- Obi, K., see K. Takahashi 154 (1989) 223
Olsen, J., A.M.S. de Merás, H.J.Aa. Jensen and P. Jørgensen, Excitation energies, transition moments and dynamic polarizabilities for CH^+ . A comparison of multiconfigurational linear response and full configuration interaction calculations 154 (1989) 380
Onori, G., Structural properties of aqueous mixtures of monohydric alcohols from near-infrared absorption spectra 154 (1989) 212
Ossig, F., see A. Penzkofer 154 (1989) 111
- Pálinkás, G., see E. Hawlicka 154 (1989) 255
Palma, M.U., see P.L. San Biagio 154 (1989) 477
Pasternack, L., B.R. Weiner and A.P. Baronavski, Rotational distributions of CO from the 193 nm photodissociation of BH_3CO using nonresonant four-wave mixing for VUV generation 154 (1989) 121
Penzkofer, A. and F. Ossig, Absorption recovery of the pyrimidocarbocyanine dye PYC 154 (1989) 111
Perkampus, H.-H., see T. Ledwig 154 (1989) 309
Peyerimhoff, S.D., see M. Carnell 154 (1989) 484

- Pichler, G., see D. Fijan 154 (1989) 126
Polavarapu, P.L., see L.D. Barron 154 (1989) 251
Price, S.L., see J.B.O. Mitchell 154 (1989) 267
- Quelch, G.E., see D.L. Clark 154 (1989) 326
- Ramasesha, S. and I.D.L. Albert, Exact static polarizabilities of correlated finite model systems 154 (1989) 501
Rance, M., Sign reversal of resonances via isotropic mixing in NMR spectroscopy 154 (1989) 242
Reber, C. and H.U. Güdel, Near-infrared luminescence spectroscopy of $\text{Al}_2\text{O}_3:\text{V}^{3+}$ and $\text{YF}_3\text{O}_9:\text{V}^{3+}$ 154 (1989) 425
Redfern, C.M., see D.L. Clark 154 (1989) 326
Rego, C.A., see A.C. Legon 154 (1989) 468
Rettig, W. and W. Majenz, Competing adiabatic photoreaction channels in stilbene derivatives 154 (1989) 335
Righini, R., see L. Angeloni 154 (1989) 115
Righini, R., see L. Angeloni 154 (1989) 432
Robota, H.J., see S.B. Mohsin 154 (1989) 511
Ros, M. and E.J.J. Groenen, The triplet state of dodecapentaenal: electron spin echo spectroscopy of a polynal 154 (1989) 29
Rothenberger, G. and M. Grätzel, Effects of spatial confinement on the rate of bimolecular reactions in organized liquid media 154 (1989) 165
Rozenshtein, V.B., see M.A. Ioffe 154 (1989) 131
- Sadeghi, N., see R. Sobczynski 154 (1989) 349
Sæbø, S. and J. Almlöf, Avoiding the integral storage bottleneck in LCAO calculations of electron correlation 154 (1989) 83
Salvi, P.R., see L. Angeloni 154 (1989) 432
San Biagio, P.L., J. Newman, F. Madonia and M.U. Palma, Co-solute control of the self-assembly of a biopolymeric supramolecular structure 154 (1989) 477
Sato, Y., see K. Ueda 154 (1989) 357
Sato, Y., see S. Nagaoka 154 (1989) 363
Scheraga, H.A., see Z. Li 154 (1989) 516
Schettino, V., see L. Angeloni 154 (1989) 432
Schlyer, B.D., A.H. Maki and A.J.W.G. Visser, An ODMR study of amphiphilic flavins in a Shpol'skii matrix 154 (1989) 39
Schnöckel, H., see R. Ahlrichs 154 (1989) 104
Schramm, B., see J. Kern 154 (1989) 292
Schueler, B., see J. Morton 154 (1989) 143
Schwahn, H., see J. Kern 154 (1989) 292
Schwarz, H., see K. Eller 154 (1989) 443
Schweiger, A., see C. Bühlmann 154 (1989) 285
Schwentner, N., M.E. Fajardo and V.A. Apkarian, Rydberg series of charge transfer excitations in halogen-doped rare gas crystals 154 (1989) 237
Schwentner, N. and V.A. Apkarian, A solid state rare gas halide laser: XeF in crystalline argon 154 (1989) 413
Senn, P., Comment on the bound states of the Schrödinger equation with the potential $V = A/x^2 + Bx^2$ 154 (1989) 172

- Setser, D.W., see R. Sobczynski 154 (1989) 349
- Shigemasa, E., see K. Ueda 154 (1989) 357
- Shigemasa, E., see S. Nagaoka 154 (1989) 363
- Shimomura, M., see S. Kirstein 154 (1989) 303
- Shioya, Y., M. Yagi and J. Higuchi, A time-resolved electron spin resonance study of the triplet states of 1-nitronaphthalene and 1,4-dinitronaphthalene 154 (1989) 25
- Simpson, N.J.K., see K.A. McLauchlan 154 (1989) 550
- Sinha, D., S.K. Mukhopadhyay, R. Chaudhuri and D. Mukherjee, The eigenvalue-independent partitioning technique in Fock space: an alternative route to open-shell coupled-cluster theory for incomplete model spaces 154 (1989) 544
- Smith, K.A., see C.W. Walter 154 (1989) 409
- Sobczynski, R., R. Beaman, D.W. Setser and N. Sadeghi, Generation of Kr(3P_0) atoms in a flow reactor: reactions with CO, N₂, NF₃ and F₂ 154 (1989) 349
- Spotswood, M., see D.W. Noid 154 (1989) 391
- Springuel-Huet, M.A. and J. Fraissard, ^{129}Xe NMR of xenon adsorbed on the molecular sieves AlPO₄-11 and SAPO-11. Chemical shift anisotropy related to the asymmetry of the adsorption zones 154 (1989) 299
- Stace, A.J., see A.J. Marks 154 (1989) 492
- Stevenson, S.H., see W. Tam 154 (1989) 93
- Stranges, D., see V. Di Napoli 154 (1989) 217
- Sülzle, D., see K. Eller 154 (1989) 443
- Suvernev, A.A. and S.I. Temkin, Spin-rotational NMR relaxation of spherical molecules in the gas phase 154 (1989) 49
- Tachibana, A., S. Ishikawa, T. Inoue and T. Yamabe, Extended orbital vibronic constant and attractive force for superconductivity in a molecular model of polyacetylene 154 (1989) 403
- Tachiya, M. and A. Hummel, Effect of an external electric field on the escape probability in groups of multiple ion pairs in irradiated nonpolar liquids 154 (1989) 497
- Tacke, M., see R. Ahlrichs 154 (1989) 104
- Takahashi, K., K. Obi, I. Tanaka and T. Tani, Picosecond kinetics of spectral sensitization by a J-aggregated dye on AgBr microcrystals 154 (1989) 223
- Tam, W., B. Guerin, J.C. Calabrese and S.H. Stevenson, 3-methyl-4-methoxy-4'-nitrostilbene (MMONS): crystal structure of a highly efficient material for second-harmonic generation 154 (1989) 93
- Tanaka, I., see K. Takahashi 154 (1989) 223
- Tang, C.L., see I. Walmsley 154 (1989) 315
- Tani, T., see K. Takahashi 154 (1989) 223
- Tao, Y., Theoretical studies of 1,2-intramolecular hydrogen shifts for HSC⁺/HCS⁺, HSiO⁺/HOSi⁺ and HSiS⁺/HSSi⁺ systems 154 (1989) 374
- Tarr, A.W. and F. Zerbetto, Absolute intensities of CH-stretching overtones in chloroform and deuteriochloroform 154 (1989) 273
- Teghil, R., see V. Di Napoli 154 (1989) 217
- Teitelbaum, H., A generalized rate law for the thermal dissociation of diatomic molecules under non-equilibrium conditions 154 (1989) 90
- Temkin, S.I., see A.A. Suvernev 154 (1989) 49
- Tomkinson, J., see D. Noréus 154 (1989) 439
- Topp, M.R., see S.A. Wittmeyer 154 (1989) 1

Topp, M.R., see A.J. Kaziska	154 (1989) 199
Trenary, M., see S.B. Mohsin	154 (1989) 511
Trommsdorff, H.P., J.M. Zeigler and R.M. Hochstrasser, Narrow band laser-induced photochemical processes in polysilane solid films at 1.4 K	154 (1989) 463
Tsuchida, A., see M. Yamamoto	154 (1989) 559
Tsujii, Y., see M. Yamamoto	154 (1989) 559
Tully, F.P., see J.L. Durant Jr.	154 (1989) 568
Tyryshkin, A.M., see S.A. Dikanov	154 (1989) 34
Ueda, K., E. Shigemasa, Y. Sato, S. Nagaoka, I. Koyano, A. Yagishita, T. Nagata and T. Hayaishi, Ionic fragmentation following the 3d core excitation of $\text{Sn}(\text{CH}_3)_4$ by soft X-rays	154 (1989) 357
Ueda, K., see S. Nagaoka	154 (1989) 363
Umanskii, S.Ya., see M.A. Ioffe	154 (1989) 131
Urban, R.-D., U. Magg and H. Jones, The infrared spectrum of two isotopic species of gallium hydride (^{69}GaH and ^{71}GaH)	154 (1989) 135
Van der Pol, J.F., see G. Blasse	154 (1989) 420
Van Leeuwen, P.A., see E. van Oort	154 (1989) 587
Van Oort, E., P.A. van Leeuwen and M. Glasbeek, Phase control of spin coherence in electronic triplet states by two-frequency microwave excitation	154 (1989) 587
Veža, D., see D. Fijan	154 (1989) 126
Visser, A.J.W.G., see B.D. Schlyer	154 (1989) 39
Vulpis, T., see R. Houriet	154 (1989) 454
Wahl, M., see B. Atakan	154 (1989) 449
Walker, G.C., see S.R. Flom	154 (1989) 193
Walmsley, I., F.W. Wise and C.L. Tang, On the difference between quantum beats in impulsive stimulated Raman scattering and resonance Raman scattering	154 (1989) 315
Walter, C.W., B.G. Lindsay, K.A. Smith and F.B. Dunning, Translational energy release in dissociative electron attachment to CH_3I , CD_3I , CF_3I and CF_3Br	154 (1989) 409
Wang, J.Z., see K. Balasubramanian	154 (1989) 525
Weiner, B.R., see L. Pasternack	154 (1989) 121
Weller, R., see B. Atakan	154 (1989) 449
Westbrook, J.D., see J.T. Blair	154 (1989) 531
Westlund, P.-O. and R.M. Lynden-Bell, Separation of vibrational dephasing and reorientational contributions to the infrared and Raman lineshapes in a simulation of MeCN	154 (1989) 67
Wiesen, P., see K.H. Becker	154 (1989) 342
Wight, C.A., see S. Niles	154 (1989) 458
Williams, G., see N. Boden	154 (1989) 613
Wise, F.W., see I. Walmsley	154 (1989) 315
Wittmeyer, S.A., A.J. Kaziska, A.L. Motyka and M.R. Topp, Time-resolved desorption of argon and methane from the surface of a perylene molecule	154 (1989) 1
Wittmeyer, S.A., see A.J. Kaziska	154 (1989) 199
Wolfum, J., see B. Atakan	154 (1989) 449
Wong, C.F., C. Zheng and J.A. McCammon, Glass transition in SPC/E water and in a protein solution: a molecular dynamics simulation study	154 (1989) 151

Yagi, M., see Y. Shioya	154 (1989) 25
Yagishita, A., see K. Ueda	154 (1989) 357
Yagishita, A., see S. Nagaoka	154 (1989) 363
Yamabe, S., see K. Hiraoka	154 (1989) 139
Yamabe, T., see A. Tachibana	154 (1989) 403
Yamamoto, M., Y. Tsujii and A. Tsuchida, Near-infrared charge resonance band of intramolecular carbazole dimer radical cations studied by nanosecond laser photolysis	154 (1989) 559
Yamauchi, S. and H. Kanno, Observation of resolved Raman bands for solvated ions in glassy alcohol solutions	154 (1989) 248
Yamauchi, S., see M. Koyanagi	154 (1989) 577
Yoshihara, K., see S.R. Meech	154 (1989) 20
Zeigler, J.M., see H.P. Trommsdorff	154 (1989) 463
Zerbetto, F., see A.W. Tarr	154 (1989) 273
Zhang, C., see Z. Ma	154 (1989) 9
Zheng, C., see C.F. Wong	154 (1989) 151

